BAIRD Model 256

General Description: Six-transistor (plus two crystal diodes), two-waveband (M.W./L.W.) portable receiver. External aerial sockets for use with car aerial.

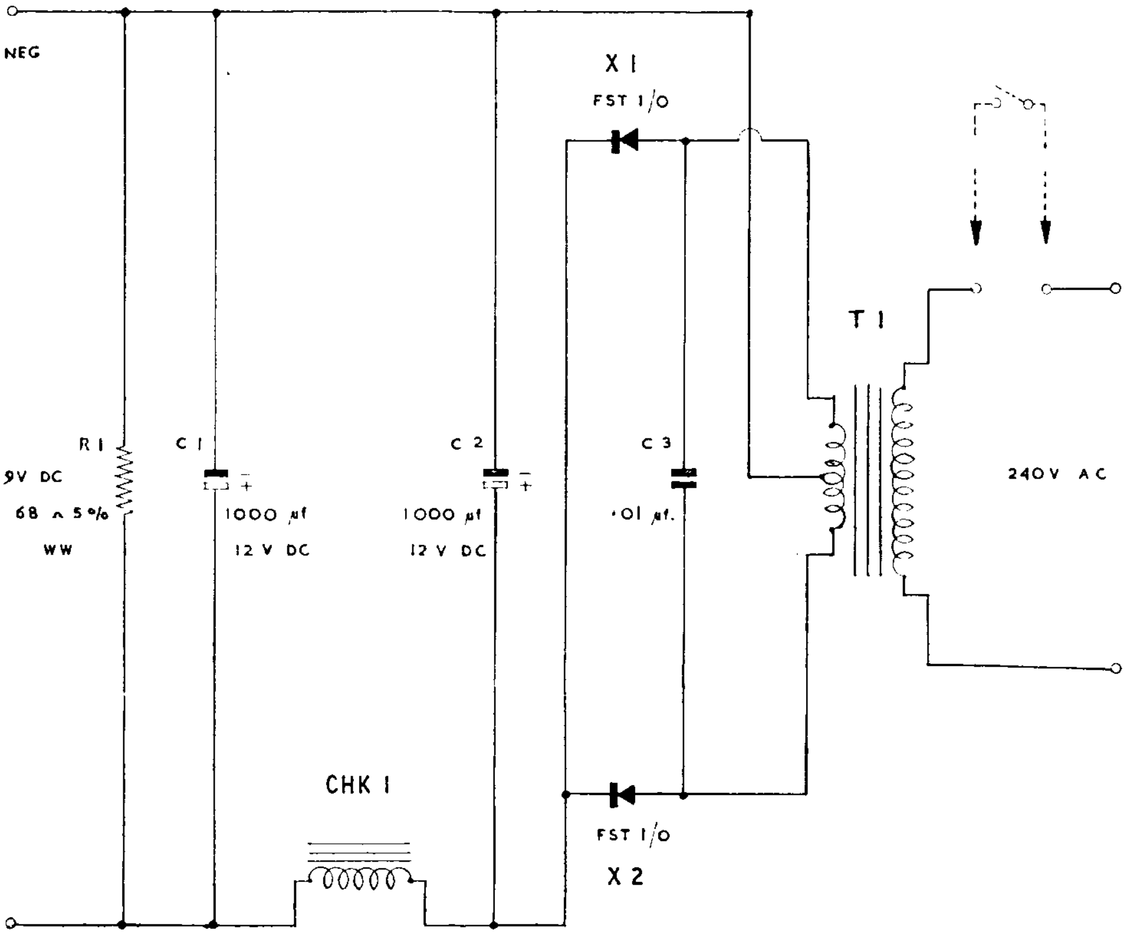
Power Supply: 9-volt battery.

Transistors: (TR1) OC44 (self-oscillating mixer); (TR2) OC45 (1st I.F. amplifier); (TR3) OC45 (2nd I.F. amplifier); (TR4) OC81D (A.F. driver); (TR5, TR6) matched OC81 (push–pull output); Crystal diodes, (X1) OA70 (detector); (X2) OA79 (overload diode).

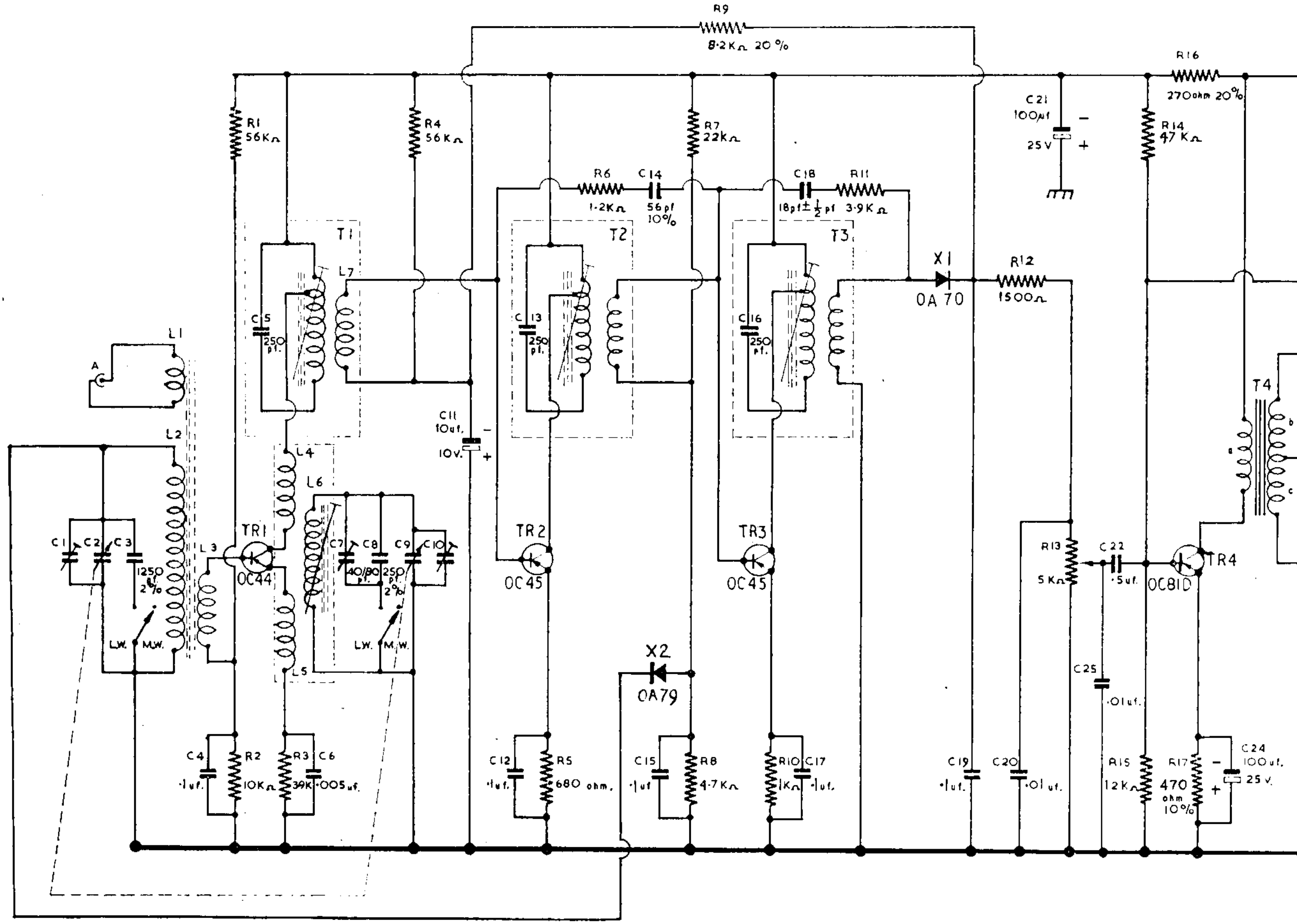
Intermediate Frequency: 470 kc/s.

Model 244: This earlier model is similar to Model 256 except for the omission of the overload diode (X2) and the following changes in component values: R17 680 ohms, R19 39 ohms, R20 220k.

Power Unit Model PP1: This is a mains power unit supplying 9-volts D.C. from an A.C. mains input of 240 volts, suitable for use with transistor receivers. Rectifiers (X1, 2) FST1/0.



Circuit Diagram—Baird Power Unit Model PP1



Circuit Diagram—Baird Model 256

Modifications: In later models, 100 μF. added across 9-volt battery line. 39k resistor in series and C25. R20 changed from 220k to 330k.